

Amendments To The Claims:

1. (Currently Amended) A ~~medical device part~~ a dilatation balloon, formed of a polymer material composition, the polymer material composition comprising at least one crystallizable base polymer and, in at least a portion of the part, further comprising a crystallization modifier, wherein

from a first portion of the ~~device part~~ balloon to a second portion of the ~~device part~~ balloon, the polymer material composition, is varied in amount of crystallization modifier relative to the amount of said at least one crystallizable base polymer.

2. (Currently Amended) A ~~medical device part~~, a dilatation balloon as in claim 1 wherein said crystallization modifier amount is varied within the range of from 0 to about 20 percent by weight of the polymer composition.

3. (Cancelled)

4. (Currently Amended) A ~~medical device part~~, a dilatation balloon as in claim 1 wherein said crystallization modifier enhances crystallization of said base polymer.

5. (Cancelled)

6. (Currently Amended) A ~~medical device part~~, a dilatation balloon as in claim 1 wherein said crystallizable base polymer is selected from the group consisting of olefin, acrylic, styrenic and vinyl polymers and copolymers; polyethers; polyamides; polycarbonates; polyesters; polyurethanes; thermoplastic polyimides; liquid crystal polymers; ABS (acrylonitrile butadiene styrene); ANS (acrylonitrile styrene); polyacetal; PEI (polyetherimide); polyetheretherketone (PEEK); and polyether sulfone (PES); block copolymers comprising at least one polyolefin, polyacrylic, polystyrenic, polyvinyl, polyether, polyamide, polyester, or polyurethane block therein, and mixtures of any of said polymers.

7. (Cancelled)

8. (Currently Amended) A dilatation balloon as claim ~~7~~ in claim 1 wherein the crystallization modifier is a crystallization inhibitor.
9. (Original) A dilatation balloon as in claim 8 comprising a balloon body portion and proximal and distal waist portions, wherein the crystallization modifier is present in the distal waist portion of the device.
10. (Original) A dilatation balloon as in claim 9 wherein the crystallization modifier is not present in the balloon body portion of the device.
- 11-28. (Cancelled)
29. (Original) A medical device part, formed of a polymer material composition, the polymer material composition comprising at least one crystallizable base polymer,
in at least a first portion of the part, the polymer material composition further comprising a crystallization enhancer, and
in at least a second portion of the part the polymer material composition further comprising a crystallization inhibitor.
30. (Currently Amended) ~~A medical device part,~~ catheter balloon formed of a polymer material composition, the polymer material composition comprising at least one crystallizable base polymer which is partially crystallized over at least a portion of the ~~part,~~ balloon length or thickness or both, wherein the polymer material composition includes at least one crystallization modifier which varies in concentration over a portion of the balloon, and the degree of crystallization of said crystallizable base polymer, taken as a fraction thereof, varies over said portion.
31. (Cancelled)
32. (Currently Amended) ~~A medical device part~~ catheter balloon as in claim 30 wherein the

medical-device-part is a catheter balloon comprising comprises a body portion, the body portion located between opposed cone portions, the cone portions, respectively, located between opposed waist portions by which the balloon may be attached to a catheter and wherein the degree of crystallization in the waist portions is less than in the body portion.

33. (Original) A catheter balloon as in claim 32 wherein the degree of crystallization in the cone portions is less than in the body portion and greater than in the waist portions.

34. (Cancelled)

35. (Currently Amended) A ~~medical-device-part~~ catheter balloon as in claim 34 30 wherein the crystallization modifier comprises a crystallization enhancer.

36. (Currently Amended) A ~~medical-device-part~~ catheter balloon as in claim 35 wherein the crystallization enhancer is a nucleating agent.

37. (Currently Amended) A ~~medical-device-part~~ catheter balloon as in claim 36 wherein the nucleating agent is a member of the group consisting of carbon black, silica, kaolin, sodium bicarbonate, talc, sodium succinate, sodium glutarate, sodium caproate, sodium 4-methylvalerate, sodium-2-2'-methylenebis(4,6-di-tert-butylphenyl)phosphate, aluminum phenyl acetate, sodium cinnamate, alkali metal and aluminum salts of aromatic and alicyclic carboxylic acids, benzoic acid, naphthoic acid, tertiary-butyl benzoic acid, benzenesulfonamides, bis-(benzylidene) sorbitols, bis-(alkylbenzylidene) sorbitols, phosphate esters, norbornane carboxylic acid salts, and mixtures thereof.

38. (Currently Amended) A ~~medical-device-part~~ catheter balloon as in claim 34 wherein the crystallization modifier comprises a crystallization inhibitor.

39. (Currently Amended) A ~~medical-device-part~~ catheter balloon as in claim 38 wherein the crystallization inhibitor is a compound which ties up nucleating sites or terminates crystal

crystal propagation.

40. (Currently Amended) A ~~medical device part~~ catheter balloon as in claim 38 wherein the crystallization inhibitor; inhibitor comprises a member of the group consisting of polymers and copolymers of piperylene, methylbutene, isobutene, vinyltoluene, indene, α -methylstyrene, or polycyclodiene; hydrogenated C₉ resins; pinene resins; rosin resins; terpene resins, lithium [(bis)trifluoromethanesulfonate imide.

41. (Currently Amended) A ~~medical device part~~ catheter balloon as in claim 30 wherein said crystallizable base polymer is selected from the group consisting of olefin, acrylic, styrenic and vinyl polymers and copolymers; polyethers; polyamides; polycarbonates; polyesters; polyurethanes; thermoplastic polyimides; liquid crystal polymers; ABS (acrylonitrile butadiene styrene); ANS (acrylonitrile styrene); polyacetal; PEI (polyetherimide); polyetheretherketone (PEEK); and polyether sulfone (PES); block copolymers comprising at least one polyolefin, polyacrylic, polystyrenic, polyvinyl, polyether, polyamide, polyester, or polyurethane block therein, and mixtures of any of said polymers.

42. (Currently Amended) A ~~medical device part~~ catheter balloon as in claim 41 wherein said crystallizable base polymer comprises a polyamide/polyether block copolymer or polyester/polyether segmented block copolymer.

43. (Currently Amended) A ~~medical device part~~ catheter balloon as in claim 41 wherein said crystallizable base polymer comprises a liquid crystal polymer.

44. (New) A catheter balloon as in claim 30 wherein the one crystallization modifier varies in concentration in the polymer material composition through the thickness of the balloon.

45. (New) A catheter balloon as in claim 30 wherein the one crystallization modifier varies in concentration in the polymer material composition along the length of the balloon.